

NJDEP Questions (via email 3/5/2021) - ([Earth Systems/Hess Response is in Blue](#))

- Was this in a lined area of the tank field/ did the product come through the liner of the tank field?
 - **The daylighting was in a lined area of the Tankfield. Additional investigation will be conducted to assess the integrity of the liner in the Tankfield and to determine where the product originated from.**
- Does the liner have an impervious layer built in?
 - **The liner does have an impervious layer built in.**
- How far did the product extend from the source? Provide a map with a perimeter that the product extends to.
 - **Additional investigation will need to be conducted to determine the source of the product.**
- Did the product make it the berms and leach into the berms?
 - **Based on Earth Systems visual inspections, the product did not reach the berms. The product was contained with booms within the Tankfield.**
- What is the plan for the stones/ gravel that still contain the product?
 - **Impacted stones/gravel will be excavated for offsite disposal and the area backfilled with clean gravel.**
- How much product was removed?
 - **Earth Systems does not have a volume estimate of how much product was removed. Absorbent pads and booms were used to address the daylighting and staged in drums for offsite disposal. Buckeye was also working in the tankfield utilizing absorbent materials and a vacuum truck.**
- What is the specific product?
 - **The results from the fingerprint analysis are still pending with the laboratory.**

Port Reading Daylighting by Tank 1216 Field Summary

February 24, 2021

- Earth Systems arrived on-site at 1430 to investigate and document any daylighting or staining in the third tank field.
- Two different types of product were observed – a more liquid product and a product with thicker consistency. Samples of both types of product were collected for fingerprint analysis.
- Clean up initiated by Buckeye.
- A 25 cubic yard tank and vac truck setup and absorbent booms were observed and can be seen in the photographs below.
- Plastic sheeting staged with snow and gravel debris containing possible contamination was also observed and can be seen in the photographs below.
- Absorbent booms were being used to contain product impacted area.
- Atlantic Response employees arrived on-site at 1530 to drop off a trailer-mounted pump and told Earth Systems employee they would resume vacuum activities February 25th; see photographs below.

- 1535 Earth Systems off-site.



February 25, 2021

- Earth Systems arrived on-site at 1000 to meet with Brendon Caldwell from Buckeye. Brendon stated Buckeye and their contractors planned to continuously vac out the product and water

until the daylighting area dried out in order to investigate the possible source of product daylighting.

- Photographs below display 25 cubic yard tank and vac truck setup and tanker footing.
- 1450 Earth Systems off-site



February 26, 2021

- Earth Systems arrived on-site at 1400 to inspect daylighting at the 3rd tank field with Monika Niedbala (Buckeye) and Scott Nelson (Brown & Caldwell).
- Current Buckeye plan was to remove all stormwater and product and place in storage tanks pending disposal.
- Atlantic Response informed Earth Systems they would not be available due to a shortage of available personnel. Atlantic Response was on Site to handle the issue with Tank 1219. The roof of Tank 1219 was in danger of collapsing due to ice. Tank 1219 stores gasoline. In addition, due to the uncertainty of the tank's integrity and the volatility of the product stored, until the roof was addressed by Buckeye, Earth systems activities were put on temporary hold.
- In the interim, Jim Verga and John Chusser from AWT were contacted and inspected the impacted area with Earth Systems to determine if additional actions needed to be taken outside of actions implemented by Buckeye.
- Photographs below display conditions when Earth Systems arrived (areas of staining and boom placement)



February 27, 2021

- 0800 Earth Systems on-site to inspect the third tank field area. Based on the photographs below and discussion with Earth Systems employees, it was determined that AWT would be needed to replace current booms. Photographs below display absorbent booms and pads being replaced.
- AWT replaced booms along the perimeter of the area of concern. AWT also used absorbent pads to address any visible product. AWT used five (5) packs of spill booms, two (2) packs of pads, and three (3) drums.
- 1450 Earth Systems off-site.



February 28, 2021

- Earth Systems arrived on-site at 0800 to inspect the daylighting area.
- Booms showed no signs of over saturation or failure to maintain containment of sheen and product.
- Earth Systems replaced pads as well as removed some visual surficial product using absorbent pads and placed in a drum for offsite disposal.
- Earth Systems was off-site at 0930.



March 1st – March 10th

- Earth Systems continues to inspect tankfield daily. No stormwater present in tankfield. Stained stone is present and a plan for remediation is being developed. The remediation plan will be developed in conjunction with Buckeye's evaluation of the tankfield liner.
- Short term goals will be to continue to monitor the area to make sure there is no additional daylighting.